



APPLIED MECHANICS

Reviews

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ANNUAL INDEX

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Reviews



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Volume 26, January-December 1973

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For the convenience of the reader, a list of subject main headings follows:

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Analytical Methods	Soil Mechanics (Applied)	Boundary Layer	Astronautics
Digital Computing & Programming	Rock Mechanics	Turbulence	Explosions & Ballistics
Analogies & Analog Computation	Material Processing	Aerodynamics	Acoustics
Systems & Control	Fracture (Including Fatigue)	Vibration & Wave Motion in Fluids	Thermal Effects in Solids
Systems & Control (Optimal)	Experimental Stress Analysis	Fluid Machinery	Micromeritics
Dynamics	Material Test Techniques	Flow & Flight Test Techniques & Measurements	Porous Media
Elasticity	Structures (Basic)	Thermodynamics	Geophysics, Hydrology, Oceanography & Meteorology
Viscoelasticity	Structures (Applied)	Heat Transfer	Naval Architecture
Plasticity	Machine Elements & Machine Design	Heat with Mass Transfer	Friction, Wear & Lubrication (Tribology)
Composite Material Mechanics	Fastening & Joining	Combustion	Biomechanics
Strings, Rods & Beams	Rheology	Prime Movers & Propulsion Devices	Biocontrol
Membranes, Plates & Shells	Hydraulics	Magneto Fluid & Plasma Dynamics	
Buckling	Incompressible Flow (Nonviscous)	Aeroelasticity	
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August	936- 939	6012-6035
September	1073-1075	6965-6975
October	1203-1206	7809-7825
November	1340-1346	8682-8716
December	1517-1523	9746-9776

Dynamics

See also: Vibrations of Solids (this Index page)
Wave Motion and Impact in Solids
(Index page 239)
Machine Elements and Machine
Design (Index page 240)
Aeroelasticity (Index page 242)
Astronautics (Index page 242)

Month	Page Numbers	Item Numbers
January	33- 34	110- 121
February	177- 178	975- 980
March	299	1769-1775
April	430- 432	2679-2690
May	559- 560	3499-3509
June	696	4359-4362
July	812- 814	5157-5169
August	939- 940	6036-6044
September	1076-1077	6976-6989
October	1206-1207	7826-7835
November	1346-1348	8717-8730
December	1523-1525	9777-9788

Elasticity

See also: Strings, Rods and Beams
(this Index page)
Membranes, Plates and Shells
(this Index page)
Buckling (this Index page)
Fracture, including Fatigue
(Index page 239)
Thermal Effects in Solids
(Index page 243)
Friction, Wear and Lubrication
(Index page 243)

Month	Page Numbers	Item Numbers
January	34- 37	122- 149
February	178- 179	981- 996
March	300- 303	1776-1801
April	432- 435	2691-2711
May	560- 564	3510-3539
June	696- 699	4363-4380
July	814- 818	5170-5204
August	940- 944	6045-6067
September	1077-1080	6990-7010
October	1207-1210	7836-7860
November	1348-1351	8731-8751
December	1525-1532	9789-9829

Viscoelasticity

See also: Strings, Rods and Beams
(this Index page)
Membranes, Plates and Shells
(this Index page)
Fastening and Joining
(Index page 240)
Rheology (Index page 240)

Month	Page Numbers	Item Numbers
January	38	150- 153
February	180	997-1004
March	303- 304	1802-1812
April	435	2712-2716
May	564- 567	3540-3549
June	699- 700	4381-4389
July	818- 819	5205-5208
August	944- 945	6068-6075
September	1080-1082	7011-7017
October	1210-1211	7861-7867
November	1351-1352	8752-8762
December	1532-1533	9830-9841

Plasticity

See also: Strings, Rods and Beams
(this Index page)
Membrane, Plates and Shells
(this Index page)
Buckling (this Index page)
Soil Mechanics, Basic
(Index page 239)
Rock Mechanics (Index page 239)
Material Processing
(Index page 239)
Structures, Basic (Index page 239)
Thermal Effects in Solids
(Index page 243)

Month	Page Numbers	Item Numbers
January	38- 39	154- 157
February	181- 182	1005-1013
March	304- 306	1813-1824
April	435- 436	2717-2720
May	567- 568	3550-3558
June	700- 701	4390-4394
July	819- 821	5209-5219
August	945- 946	6076-6085
September	1082-1083	7018-7034
October	1211-1212	7868-7877
November	1352-1354	8763-8777
December	1534-1536	9842-9856

Composite Material Mechanics

See also: Wave Motion and Impact in Solids
(Index page 239)
Fracture, including Fatigue
(Index page 239)

Month	Page Numbers	Item Numbers
January	39	158- 161
February	182- 183	1014-1019
March	306- 307	1825-1836
April	436- 437	2721-2726
May	568- 570	3559-3575
June	701- 703	4395-4406
July	821- 822	5220-5227
August	946- 947	6086-6094
September	1084-1085	7035-7040
October	1212-1214	7878-7885
November	1355-1356	8778-8790
December	1536-1538	9857-9873

Strings, Rods and Beams

See also: Elasticity (this Index page)
Viscoelasticity (this Index page)
Plasticity (this Index page)

Month	Page Numbers	Item Numbers
January	39- 40	162- 171
February	183	1020-1026
March	307- 308	1837-1842
April	437- 438	2727-2733
May	570- 571	3576-3584
June	703- 704	4407-4415
July	822- 823	5228-5236
August	947- 948	6095-6104
September	1085-1086	7041-7045
October	1214-1215	7886-7893
November	1356-1358	8791-8799
December	1538-1540	9874-9881

Membranes, Plates and Shells

See also: Elasticity (this Index page)
Viscoelasticity (this Index page)
Plasticity (this Index page)

Month	Page Numbers	Item Numbers
January	40- 43	172- 196
February	183- 187	1027-1057
March	308- 313	1843-1877
April	438- 443	2734-2768
May	571- 574	3585-3604
June	704- 707	4416-4436
July	823- 825	5237-5260
August	948- 952	6105-6134
September	1086-1090	7046-7075
October	1215-1220	7894-7932
November	1358-1362	8800-8829
December	1540-1544	9882-9915

Buckling

See also: Elasticity (this Index page)
Plasticity (this Index page)
Vibrations of Solids
(this Index page)

Month	Page Numbers	Item Numbers
January	43- 45	197- 214
February	187- 189	1058-1072
March	313- 315	1878-1898
April	443- 446	2769-2788
May	574- 576	3605-3624
June	707- 709	4437-4454
July	826- 829	5261-5285
August	952- 954	6135-6155
September	1090-1092	7076-7093
October	1220-1223	7933-7952
November	1362-1365	8830-8846
December	1544-1546	9916-9931

Vibrations of Solids

See also: Elasticity (this Index page)
Buckling (this Index page)
Wave Motion and Impact in Solids
(Index page 239)
Vibration and Wave Motion in
Fluids (Index page 241)
Aeroelasticity (Index page 242)
Acoustics (Index page 243)

Month	Page Numbers	Item Numbers
January	45- 52	215- 265
February	189- 194	1073-1112
March	315- 322	1899-1949
April	446- 455	2789-2847
May	577- 582	3625-3674
June	709- 715	4455-4500
July	829- 837	5286-5348
August	954- 959	6156-6202
September	1092-1101	7094-7148
October	1223-1231	7953-8001
November	1365-1372	8847-8901
December	1546-1553	9932-9981

Wave Motion and Impact in Solids

See also: Elasticity (Index page 238)
Vibrations of Solids
(Index page 238)
Geophysics, Hydrology, Oceanography and Meteorology
(Index page 243)

Month	Page Numbers	Item Numbers
January	52- 54	266- 282
February	194- 196	1113- 1127
March	322- 326	1950- 1976
April	455- 457	2848- 2867
May	583- 587	3675- 3699
June	715- 718	4501- 4519
July	837- 840	5349- 5373
August	960- 962	6203- 6223
September	1101-1105	7149- 7175
October	1231-1234	8002- 8027
November	1372-1376	8902- 8922
December	1553-1556	9982-10003

Soil Mechanics (Basic)

See also: Plasticity (Index page 238)
Soil Mechanics, Applied
(this Index page)

Month	Page Numbers	Item Numbers
January	54- 55	283- 289
February	196- 198	1128- 1134
March	326- 328	1977- 1988
April	457- 458	2868- 2875
May	587	3700- 3705
June	718- 719	4520- 4524
July	840- 841	5374- 5380
August	962- 965	6224- 6241
September	1105-1106	7176- 7182
October	...	See 7843, 8028, 8031
November	1376-1377	8923- 8932
December	1556-1559	10004-10014

Soil Mechanics (Applied)

See also: Strings, Rods and Beams
(Index page 238)
Membranes, Plates and Shells
(Index page 238)
Soil Mechanics, Basic
(this Index page)

Month	Page Numbers	Item Numbers
January	55- 56	290- 294
February	198- 199	1135- 1144
March	328- 329	1989- 1998
April	459- 461	2876- 2888
May	587- 589	3706- 3714
June	719- 720	4525- 4531
July	841- 842	5381- 5386
August	965- 967	6242- 6251
September	1106-1107	7183- 7187
October	1235-1236	8028- 8037
November	...	See 8911, 8927
December	1559-1560	10015-10021

Rock Mechanics

See also: Plasticity (Index page 238)
Wave Motion and Impact in Solids
(this Index page)
Fracture, including Fatigue
(this Index page)

Month	Page Numbers	Item Numbers
January	56- 57	295- 303
February	199- 200	1145- 1150
March	329- 330	1999- 2005
April	461- 463	2889- 2897
May	589- 590	3715- 3721
June	720	4532- 4537
July	843- 844	5387- 5393
August	967	6252- 6255
September	1107	7188- 7192
October	1236-1237	8038- 8042
November	1377-1378	8933- 8938
December	1560-1561	10022-10028

Material Processing

See also: Plasticity (Index page 238)

Month	Page Numbers	Item Numbers
January	57- 59	304- 316
February	200	1151- 1157
March	330- 332	2006- 2017
April	463- 464	2898- 2906
May	590- 591	3722- 3727
June	720- 723	4538- 4552
July	844- 845	5394- 5403
August	967- 969	6256- 6263
September	1107-1109	7193- 7202
October	1237-1239	8043- 8055
November	1378-1380	8939- 8951
December	1561-1563	10029-10040

Fracture (Including Fatigue)

See also: Elasticity (Index page 238)

Month	Page Numbers	Item Numbers
January	59- 62	317- 338
February	201- 204	1158- 1180
March	332- 335	2018- 2040
April	464- 467	2907- 2929
May	591- 592	3728- 3738
June	723- 727	4553- 4578
July	845- 848	5404- 5427
August	969- 973	6264- 6289
September	1109-1113	7203- 7227
October	1239-1241	8056- 8070
November	1380-1382	8952- 8967
December	1563-1571	10041-10070

Experimental Stress Analysis

See also: Analogies and Analog Computation
(Index page 237)
Material Test Techniques
(this Index page)

Month	Page Numbers	Item Numbers
January	62- 64	339- 352
February	204- 206	1181- 1192
March	335- 337	2041- 2053
April	467- 469	2930- 2939
May	592- 593	3739- 3746
June	727- 728	4579- 4589
July	848- 849	5428- 5435
August	973- 974	6290- 6297
September	1113-1114	7228- 7239
October	1241-1242	8071- 8078
November	1382-1384	8968- 8974
December	1571-1572	10071-10078

Material Test Techniques

See also: Experimental Stress Analysis
(this Index page)

Month	Page Numbers	Item Numbers
January	64- 66	353- 363
February	206- 207	1193- 1201
March	337- 338	2054- 2061
April	469- 470	2940- 2948
May	...	See 3558, 3743, 3802
June	728- 729	4590- 4600
July	849- 850	5436- 5441
August	974- 975	6298- 6309
September	1114-1116	7240- 7251
October	1242-1243	8079- 8083
November	1384	8975- 8980
December	...	See 8937, 9841, 9999, 10053, 10057

Structures (Basic)

See also: Plasticity (Index page 238)
Strings, Rods and Beams
(Index page 238)
Membranes, Plates and Shells
(Index page 238)
Structures, Applied (Index
page 240)

Month	Page Numbers	Item Numbers
January	66- 68	364- 385
February	207- 210	1202- 1221
March	338- 341	2062- 2088
April	470- 476	2949- 2977
May	594- 596	3747- 3768
June	729- 731	4601- 4617
July	850- 852	5442- 5459
August	975- 979	6310- 6339
September	1116-1121	7252- 7285
October	1243-1247	8084- 8108
November	1384-1388	8981- 9001
December	1572-1577	10079-10111

Structures (Applied)

See also: Strings, Rods and Beams

(Index page 238)

Membranes, Plates and Shells

(Index page 238)

Structures, Basic (Index page 239)

Naval Architecture

(Index page 243)

Month	Page Numbers	Item Numbers
January	68- 70	386- 398
February	210- 212	1222- 1232
March	341- 343	2089- 2106
April	476- 477	2978- 2985
May	596- 599	3769- 3783
June	731- 733	4618- 4635
July	852- 855	5460- 5476
August	979- 982	6340- 6358
September	1121-1123	7286- 7297
October	1247-1249	8109- 8119
November	1388-1390	9002- 9016
December	1577-1580	10112-10132

**Machine Elements
and Machine Design**

See also: Dynamics (Index page 238)

Vibrations of Solids (Index
page 238)Friction, Wear and Lubrication
(Index page 243)

Month	Page Numbers	Item Numbers
January	70- 72	399- 418
February	212- 214	1233- 1249
March	343	2107- 2113
April	477- 480	2986- 3003
May	599- 601	3784- 3800
June	733- 734	4636- 4644
July	855- 856	5477- 5483
August	982- 983	6359- 6372
September	1123-1125	7298- 7316
October	1249-1252	8120- 8140
November	1390-1391	9017- 9024
December	1581-1583	10133-10148

Fastening and Joining

See also: Viscoelasticity (Index page 238)

Fracture, including Fatigue
(Index page 239)

Month	Page Numbers	Item Numbers
January	72- 73	419- 423
February	214- 215	1250- 1256
March	344	2114- 2122
April	480	3004- 3008
May	601- 603	3801- 3811
June	...	...
July	856	5484- 5488
August	984- 985	6373- 6380
September	1125	7317- 7319
October	1252-1253	8141- 8144
November	...	See 8744, 8949, 8955
December	1583-1584	10149-10153

Rheology

See also: Viscoelasticity (Index page 238)

Month	Page Numbers	Item Numbers
January	73	424- 427
February	215- 216	1257- 1261
March	345	2123- 2127
April	481	3009- 3013
May	603- 604	3812- 3817
June	735	4645- 4648
July	856- 858	5489- 5495
August	985- 986	6381- 6388
September	1126	7320- 7324
October	1253-1254	8145- 8151
November	1391-1393	9025- 9037
December	1584-1585	10154-10162

Hydraulics

See also: Structures, Applied

(this Index page)

Flow and Flight Test Techniques
and Measurements
(Index page 241)

Porous Media (Index page 243)

Month	Page Numbers	Item Numbers
January	73- 74	428- 437
February	216- 217	1262- 1272
March	345- 347	2128- 2138
April	481- 484	3014- 3028
May	605- 606	3818- 3828
June	735	4649- 4653
July	858- 860	5496- 5511
August	986- 988	6389- 6398
September	1126-1127	7325- 7331
October	1254-1256	8152- 8160
November	1393-1396	9038- 9052
December	1585-1587	10163-10173

**Incompressible Flow
(Nonviscous)**

See also: Incompressible Flow, Viscous

(this Index page)

Naval Architecture (Index page 243)

Month	Page Numbers	Item Numbers
January	75- 76	438- 445
February	217- 218	1273- 1277
March	347	2139- 2144
April	484	3029- 3032
May	606- 607	3829- 3836
June	736	4654- 4660
July	...	See 5596, 5601, 5624
August	988- 990	6399- 6407
September	1127-1129	7332- 7342
October	1256-1257	8161- 8172
November	1396-1397	9053- 9060
December	1587-1588	10174-10181

**Incompressible Flow
(Viscous)**See also: Incompressible Flow, Nonviscous
(this Index page)

Boundary Layer (Index page 241)

Turbulence (Index page 241)

Vibration and Wave Motion in
Fluids (Index page 241)

Heat Transfer (Index page 242)

Month	Page Numbers	Item Numbers
January	76- 80	446- 467
February	218- 220	1278- 1291
March	347- 351	2145- 2171
April	484- 487	3033- 3049
May	607- 609	3837- 3848
June	736- 739	4661- 4684
July	860- 864	5512- 5534
August	990- 993	6408- 6428
September	1129-1132	7343- 7363
October	1257-1260	8173- 8195
November	1397-1400	9061- 9080
December	1588-1593	10182-10214

Compressible Flow

See also: Boundary Layer (Index page 241)

Aerodynamics (Index page 241)

Month	Page Numbers	Item Numbers
January	80- 83	468- 494
February	221- 222	1292- 1304
March	351- 353	2172- 2187
April	487- 490	3050- 3070
May	609- 611	3849- 3863
June	740- 742	4685- 4706
July	864- 867	5535- 5565
August	993- 996	6429- 6456
September	1132-1135	7364- 7387
October	1261-1266	8196- 8230
November	1400-1403	9081- 9108
December	1593-1597	10215-10245

Rarefied Flow

See also: Thermodynamics (Index page 241)

Magneto Fluid and Plasma

Dynamics (Index page 242)

Month	Page Numbers	Item Numbers
January	83- 84	495- 504
February	222- 223	1305- 1311
March	354	2188- 2194
April	490- 491	3071- 3077
May	611- 613	3864- 3873
June	742- 743	4707- 4711
July	...	...
August	996- 997	6457- 6464
September	1135-1136	7388- 7394
October	1266-1267	8231- 8238
November	1404-1405	9109- 9116
December	1597-1598	10246-10250

Boundary Layer

See also: Incompressible Flow, Viscous
(Index page 240)
Heat Transfer (Index page 242)

Month	Page Numbers	Item Numbers
January	85- 87	505- 522
February	223- 226	1312- 1330
March	354- 356	2195- 2210
April	491- 494	3078- 3102
May	613- 615	3874- 3892
June	743- 746	4712- 4730
July	867- 870	5566- 5585
August	997- 998	6465- 6478
September	1136-1139	7395- 7417
October	1267-1269	8239- 8257
November	1405-1409	9117- 9143
December	1598-1601	10251-10278

Turbulence

See also: Incompressible Flow, Viscous
(Index page 240)
Boundary Layer (this Index page)
Heat Transfer (Index page 242)

Month	Page Numbers	Item Numbers
January	87- 90	523- 538
February	226- 228	1331- 1342
March	356- 358	2211- 2220
April	494- 497	3103- 3117
May	615- 616	3893- 3901
June	746	4731- 4734
July	870- 872	5586- 5595
August	998-1001	6479- 6497
September	1139-1141	7418- 7436
October	1269-1272	8258- 8272
November	1409-1412	9144- 9158
December	1601-1604	10279-10296

Aerodynamics

See also: Compressible Flow
(Index page 240)
Fluid Machinery (this Index page)
Aeroelasticity (Index page 242)
Aeronautical Equipment
(Index page 242)

Month	Page Numbers	Item Numbers
January	90- 92	539- 554
February	228- 229	1343- 1355
March	358- 360	2221- 2233
April	497- 499	3118- 3129
May	617- 618	3902- 3914
June	746- 749	4735- 4757
July	872- 873	5596- 5608
August	1001-1002	6498- 6511
September	1141-1142	7437- 7441
October	1272-1275	8273- 8301
November	1412-1416	9159- 9184
December	1604-1608	10297-10323

**Vibration and
Wave Motion in Fluids**

See also: Vibrations of Solids
(Index page 238)
Incompressible Flow, Nonviscous
(Index page 240)
Incompressible Flow, Viscous
(Index page 240)
Compressible Flow
(Index page 240)
Acoustics (Index page 243)
Geophysics, Hydrology, Oceanog-
raphy and Meteorology
(Index page 243)
Naval Architecture
(Index page 243)

Month	Page Numbers	Item Numbers
January	92- 94	555- 568
February	229- 231	1356- 1369
March	360- 363	2234- 2256
April	499- 502	3130- 3150
May	618- 620	3915- 3926
June	750- 752	4758- 4774
July	873- 876	5609- 5627
August	1002-1005	6512- 6531
September	1142-1145	7442- 7459
October	1275-1278	8302- 8323
November	1416-1420	9185- 9208
December	1608-1612	10324-10345

Fluid Machinery

See also: Incompressible Flow, Nonviscous
(Index page 240)
Incompressible Flow, Viscous
(Index page 240)
Aerodynamics (this Index page)
Acoustics (Index page 243)

Month	Page Numbers	Item Numbers
January	94- 95	569- 573
February	231- 232	1370- 1379
March	364- 366	2257- 2270
April	502- 504	3151- 3164
May	620- 622	3927- 3936
June	752- 753	4775- 4782
July	876- 877	5628- 5634
August	1005-1007	6532- 6542
September	1145-1146	7460- 7471
October	1279-1280	8324- 8333
November	1420-1424	9209- 9226
December	1612-1614	10346-10359

**Flow and Flight Test
Techniques and
Measurements**

See also: Turbulence (this Index page)
Aerodynamics (this Index page)

Month	Page Numbers	Item Numbers
January	95- 97	574- 588
February	232- 234	1380- 1393
March	366- 367	2271- 2279
April	504- 505	3165- 3173
May	...	See 3843, 3854
June	753- 754	4783- 4788
July	877- 879	5635- 5644
August	1007-1009	6543- 6559
September	1146-1148	7472- 7483
October	1280-1281	8334- 8340
November	1424-1426	9227- 9241
December	1614-1616	10360-10374

Thermodynamics

See also: Continuum Mechanics
(Index page 237)
Heat Transfer (Index page 242)
Heat with Mass Transfer
(Index page 242)
Combustion (Index page 242)
Prime Movers and Propulsion
Devices (Index page 242)

Month	Page Numbers	Item Numbers
January	98- 99	589- 596
February	234- 235	1394- 1399
March	367- 369	2280- 2291
April	505- 507	3174- 3181
May	622- 624	3937- 3951
June	754- 755	4789- 4792
July	879- 880	5645- 5656
August	1009-1011	6560- 6572
September	1148-1150	7484- 7498
October	1281-1283	8341- 8349
November	1426-1428	9242- 9257
December	1616-1619	10375-10381

Heat Transfer

See also: Incompressible Flow, Viscous
(Index page 240)

Thermodynamics (Index page 241)

Combustion (Index page 241)

Magneto Fluid and Plasma

Dynamics (this Index page)

Thermal Effects in Solids

(Index page 243)

Geophysics, Hydrology, Oceanog-
raphy and Meteorology
(Index page 243)

Month	Page Numbers	Item Numbers
January	99- 106	597- 646
February	235- 241	1400- 1447
March	369- 376	2292- 2341
April	507- 515	3182- 3237
May	624- 632	3952- 4010
June	755- 760	4793- 4826
July	880- 889	5657- 5712
August	1011-1017	6573- 6619
September	1150-1157	7499- 7551
October	1284-1293	8350- 8404
November	1429-1440	9258- 9326
December	1619-1632	10382-10458

Heat with Mass Transfer

See also: Heat Transfer (this Index page)

Month	Page Numbers	Item Numbers
January	...	See 536, 639
February	241- 242	1448- 1453
March	376- 377	2342- 2347
April	515- 516	3238- 3240
May	632- 633	4011- 4015
June	...	See 4721, 4813, 4815, 4818
July	889	5713- 5719
August	1017-1019	6620- 6628
September	1157-1158	7552- 7555
October	...	See 8271, 8362, 8388, 8391
November	1440-1442	9327- 9335
December	1632-1634	10459-10471

Combustion

See also: Prime Movers and Propulsion
Devices (this Index page)
Explosions and Ballistics
(this Index page)

Month	Page Numbers	Item Numbers
January	106- 108	647- 658
February	242- 245	1454- 1472
March	377- 380	2348- 2359
April	516- 517	3241- 3249
May	633- 635	4016- 4031
June	...	...
July	889- 891	5720- 5732
August	1019-1021	6629- 6643
September	1158-1160	7556- 7570
October	1293-1294	8405- 8414
November	1442-1445	9336- 9351
December	1634-1637	10472-10488

Prime Movers and Propulsion Devices

See also: Thermodynamics (Index page 241)
Combustion (this Index page)

Month	Page Numbers	Item Numbers
January	108- 110	659- 670
February	245- 246	1473- 1478
March	380- 382	2360- 2372
April	518- 519	3250- 3257
May	635- 637	4032- 4045
June	760- 761	4827- 4835
July	891- 892	5733- 5740
August	1021-1022	6644- 6650
September	1160	7571- 7578
October	...	See 8110, 8472, 8475
November	1445-1448	9352- 9372
December	1637-1639	10489-10506

Magneto Fluid and Plasma Dynamics

See also: Rarefied Flow (Index page 240)

Month	Page Numbers	Item Numbers
January	110- 115	671- 705
February	246- 249	1479- 1500
March	382- 386	2373- 2402
April	519- 521	3258- 3278
May	637- 645	4046- 4088
June	762- 766	4836- 4871
July	892- 896	5741- 5763
August	1022-1026	6651- 6679
September	1161-1165	7579- 7605
October	1294-1299	8415- 8440
November	1448-1455	9373- 9416
December	1639-1644	10507-10533

Aeroelasticity

See also: Vibrations of Solids

(Index page 238)

Structures, Basic (Index page 239)

Aerodynamics (Index page 241)

Month	Page Numbers	Item Numbers
January	115- 116	706- 709
February	249- 250	1501- 1504
March	386- 387	2403- 2408
April	522	3279- 3285
May	645- 646	4089- 4097
June	767- 768	4872- 4880
July	896- 897	5764- 5770
August	1026-1027	6680- 6689
September	...	See 7441
October	1299-1300	8441- 8448
November	1455-1457	9417- 9427
December	1644-1645	10534-10539

Aeronautical Equipment

See also: Structures, Applied

(Index page 240)

Aerodynamics (Index page 241)

Month	Page Numbers	Item Numbers
January	...	...
February	...	See 1346, 1353
March	388	2409- 2414
April	523	3286- 3290
May	646- 647	4098- 4101
June	...	See 4339
July	...	See 5328
August	...	...
September	...	See 7440
October	1300-1301	8449- 8455
November	1457-1458	9428- 9430
December	...	See 10500, 10571

Astronautics

See also: Dynamics (Index page 238)

Aerodynamics (Index page 241)

Heat Transfer (this Index page)

Aeroelasticity (this Index page)

Month	Page Numbers	Item Numbers
January	116- 119	710- 734
February	250- 252	1505- 1516
March	388- 391	2415- 2438
April	523- 525	3291- 3302
May	647- 650	4102- 4123
June	768- 771	4881- 4903
July	897- 899	5771- 5787
August	1027-1031	6690- 6720
September	1165-1168	7606- 7628
October	1301-1305	8456- 8486
November	1458-1461	9431- 9452
December	1645-1648	10540-10565

Explosions and Ballistics

See also: Combustion (this Index page)

Month	Page Numbers	Item Numbers
January	...	See 477
February	252	1517- 1519
March	392	2439- 2441
April	525- 526	3303- 3306
May	650- 651	4124- 4130
June	771	4904- 4908
July	899	5788- 5790
August	1031-1032	6721- 6726
September	1168	7629- 7631
October	...	See 8026, 8059
November	1461	9453- 9455
December	1648-1649	10566-10568

Acoustics

See also: Vibrations of Solids
(Index page 238)
Wave Motion and Impact in Solids
(Index page 239)
Vibration and Wave Motion in
Fluids (Index page 241)

Month	Page Numbers	Item Numbers
January	119- 123	735- 765
February	252- 255	1520- 1546
March	392- 394	2442- 2464
April	526- 529	3307- 3327
May	651- 656	4131- 4164
June	772- 776	4909- 4954
July	899- 903	5791- 5821
August	1032-1036	6727- 6757
September	1168-1171	7632- 7649
October	1305-1308	8487- 8505
November	1462-1469	9456- 9498
December	1649-1654	10569-10606

Thermal Effects in Solids

See also: Wave Motion and Impact in Solids
(Index page 239)
Heat Transfer (Index page 242)

Month	Page Numbers	Item Numbers
January	123- 125	766- 778
February	255- 256	1547- 1558
March	394- 395	2465- 2471
April	529- 530	3328- 3339
May	656- 657	4165- 4177
June	777- 778	4946- 4956
July	903- 905	5822- 5838
August	1037-1038	6758- 6769
September	1171-1172	7650- 7657
October	1308-1309	8506- 8515
November	1469-1470	9499- 9503
December	1654-1656	10607-10624

Micromeritics

See also: Hydraulics (Index page 240)
Incompressible Flow, Viscous
(Index page 240)
Geophysics, Hydrology, Oceanog-
raphy and Meteorology
(this Index page)

Month	Page Numbers	Item Numbers
January	125- 126	779- 789
February	257	1559- 1562
March	395- 396	2472- 2479
April	...	See 3025
May	657- 658	4178- 4183
June	...	See 4671, 4961
July	905- 906	5839- 5848
August	1038-1039	6770- 6777
September	1172-1173	7658- 7663
October	1309-1310	8516- 8523
November	...	See 8970, 9072, 9311
December	1656-1658	10625-10634

Porous Media

See also: Hydraulics (Index page 240)

Month	Page Numbers	Item Numbers
January	126- 127	790- 795
February	257- 259	1563- 1576
March	396- 397	2480- 2486
April	531- 532	3340- 3349
May	658- 659	4184- 4195
June	778- 780	4957- 4974
July	906- 907	5849- 5855
August	1039-1040	6778- 6786
September	1173	7664- 7666
October	1310-1311	8524- 8532
November	1470-1473	9504- 9522
December	1658-1659	10635-10642

**Geophysics, Hydrology,
Oceanography and
Meteorology**

See also: Wave Motion and Impact in Solids
(Index page 239)
Structures, Applied
(Index page 240)
Hydraulics (Index page 240)
Vibration and Wave Motion in
Fluids (Index page 241)
Heat Transfer (Index page 242)

Month	Page Numbers	Item Numbers
January	127- 130	796- 816
February	259- 261	1577- 1591
March	397- 400	2487- 2510
April	532- 534	3350- 3367
May	659- 664	4196- 4225
June	780- 784	4975- 4999
July	907- 910	5856- 5879
August	1040-1044	6787- 6809
September	1174-1176	7667- 7681
October	1312-1315	8533- 8553
November	1473-1478	9523- 9559
December	1659-1663	10643-10664

Naval Architecture

See also: Structures, Applied
(Index page 240)
Incompressible Flow, Nonviscous
(Index page 240)
Incompressible Flow, Viscous
(Index page 240)
Vibration and Wave Motion in
Fluids (Index page 241)

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February	261- 262	1592- 1600
March	400- 401	2511- 2513
April	534- 535	3368- 3372
May	664- 665	4226- 4231
June	784- 785	5000- 5005
July	910	5880- 5886
August	1044-1045	6810- 6814
September	1176-1177	7682- 7688
October	1315-1316	8554- 8558
November	1479-1480	9560- 9568
December	1663	10665-10669

**Friction, Wear and
Lubrication (Tribology)**

See also: Elasticity (Index page 238)
Machine Elements and Machine
Design (Index page 240)
Incompressible Flow, Viscous
(Index page 240)

Month	Page Numbers	Item Numbers
January	130- 132	817- 833
February	262- 265	1601- 1618
March	401- 402	2514- 2527
April	535- 537	3373- 3388
May	665- 667	4232- 4254
June	785- 787	5006- 5022
July	910- 912	5887- 5904
August	1045-1049	6815- 6842
September	1177-1179	7689- 7705
October	1316-1318	8559- 8576
November	1480-1483	9569- 9592
December	1663-1667	10670-10692

Biomechanics

See also: Elasticity (Index page 238)
Rheology (Index page 240)
Incompressible Flow, Viscous
(Index page 240)
Biocontrol (this Index page)

Month	Page Numbers	Item Numbers
January	132- 135	834- 851
February	265- 267	1619- 1631
March	402- 404	2528- 2542
April	537- 539	3389- 3401
May	667- 669	4255- 4267
June	788- 790	5023- 5036
July	912- 914	5905- 5914
August	1049-1051	6843- 6861
September	1179-1182	7706- 7721
October	1318-1320	8577- 8587
November	1483-1487	9593- 9611
December	1667-1670	10693-10708

Biocontrol

See also: Systems and Control
(Index page 237)
Systems and Control, Optimal
(Index page 237)
Acoustics (this Index page)
Biomechanics (this Index page)

Month	Page Numbers	Item Numbers
January	135- 136	852- 857
February	...	See 928, 1532
March	404- 405	2543- 2552
April	539- 540	3402- 3406
May	...	See 4264
June	...	...
July	914- 915	5915- 5918
August	...	...
September	1182	7722- 7724
October	1320	8588- 8590
November	1487-1489	9612- 9616
December	...	See 10580, 10698

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Supplemental Journal Listing

The following publication list supplements the cumulative List of Publications Scanned for APPLIED MECHANICS REVIEWS which appeared in the 1972 Annual Index Issue. This Supplement contains 86 entries of which 60 are new titles to AMR and 26 are journals published under new or revised titles. Former titles will be shown with the new title entry.

Titles are listed alphabetically in the form in which they appear on the journal. All articles and prepositions have been included except those which begin a title. The list does not contain any cross-references and where the title has been changed the last known entry of the publication is given. The origin of the journal is listed following the title unless the title indicates the city and/or country of publication. Where the city does not appear as a part of the title, then the city is shown, followed by the name of the country if the city is not well-known.

Astrophysics. (*Translation of Astrofizika by Consultants Bureau, New York*)

ATM, Archiv fur Technisches Messen + Messtechnik Praxis. Munich. Formerly: ATM Archiv fur Technisches Messen und Industrielle Messtechnik

Automatic Control and Computer Sciences. (*Translation of Avtomatika i Vychislitel'naya Tekhnika by Allerton Press, Inc., New York*). Formerly: Automatic Control. (*Translation of Avtomatika i Vychislitel'naya Tekhnika by Allerton Press, Inc., New York*)

Biomedical Engineering. London. Formerly: Bio-Medical Engineering

Biotechnology and Bioengineering. New York

Braunkohle. Dusseldorf. Formerly: Braunkohle, Warme und Energie

Buletinul Universitatii din Brasov, Seria A, Mecanica Aplicata, Constructii de Masini. Brasov, Romania. Formerly: Buletinul Institutului Politehnic din Brasov, Seria A, Mecanica.

Cement and Concrete Research. Oxford, United Kingdom

Chemical Engineering Journal. Lausanne, Switzerland

Chemical Engineering Science. Oxford, United Kingdom

Chemical Society Reviews. London

Computer Methods in Applied Mechanics and Engineering. Amsterdam

Computers and Automation and People. Newtonville, Mass. Formerly: Computers and Automation.

Computers & Fluids. Oxford, United Kingdom

Computers in Biology and Medicine. Oxford, United Kingdom

Control and Dynamic Systems. New York. Formerly: Advances in Control Systems: Theory and Applications.

Cranfield Institute of Technology, Cranfield Report M & P Cranfield, United Kingdom

Cranfield Institute of Technology, Cranfield Report MAT. Cranfield, United Kingdom

DET, Die Eisenbahntechnik. Berlin. Formerly: Deutsche Eisenbahntechnik.

Earthquake Engineering & Structural Dynamics. London

Engineering Cybernetics. (*Translation of Tekhnicheskaya Kibernetika by Scripta Publishing Company, Washington, D.C.*)

Fizika Plazmy. Kiev

Fluidics Quarterly. Ann Arbor, Michigan

Geophysical Surveys. Dordrecht

Health Physics. Oxford, United Kingdom

Ingenieria Sismica. Mexico, D.F.

Institution of Civil Engineers, Proceedings, Part 1, Design and Construction. Formerly: Institution of Civil Engineers, Proceedings.

Institution of Civil Engineers, Proceedings, Part 2, Research and Theory. London. Formerly: Institution of Civil Engineers, Proceedings.

International Association for Bridge and Structural Engineering, Bulletin. Zurich

International Centre for Mechanical Sciences, Courses and Lectures. Vienna

International Journal of Computer & Information Sciences. New York

International Journal of Environmental Studies. London

International Journal of Fracture. Leiden, The Netherlands. Formerly: International Journal of Fracture Mechanics. Groningen, The Netherlands

International Journal of Rock Mechanics and Mining Sciences & Geomechanics Abstracts. Oxford, United Kingdom. Formerly: International Journal of Rock Mechanics and Mining Sciences

Izvestiya Akademii Nauk SSSR, Mekhanika Zhidkosti i Gaza. Moscow. Formerly: Izvestiya Akademii Nauk SSSR, Mekhanika.

Journal of Aerosol Science. Oxford, United Kingdom

Journal of Applied Spectroscopy. (*Translation of Zhurnal Prikladnoi Spektroskopii by Consultants Bureau, New York*)

Journal of Coated Fabrics. Westport, Conn. Formerly: Journal of Coated Fibrous Materials.

- Journal of Computational Physics. *New York*
 Journal of Control, First Series. *London*
 Journal of Engineering Materials and Technology, Transactions of the ASME, Series H. *New York*
 Journal of Fluids Engineering, Transactions of the ASME, Series I. *New York*
 Journal of Hydrology. *Amsterdam*
 Journal of Low Temperature Physics. *New York*
 Journal of Physical Oceanography. *Boston*
 Journal of Technology, Bengal College of Engineering and Technology. *Howrah*. Formerly: *Journal of Technology*.
 Journal of Testing and Evaluation. *Philadelphia*
 Journal of the Environmental Engineering Division, Proceedings of the American Society of Civil Engineers, EE. *Ann Arbor, Michigan*. Formerly: *Journal of the Sanitary Engineering Division, Proceedings of the American Society of Civil Engineers, SA*.
 Journal of the Highway Division, Proceedings of the American Society of Civil Engineers, HY. *Ann Arbor, Michigan*
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